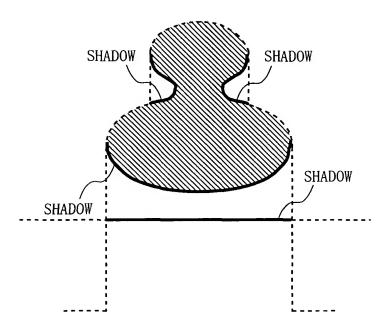
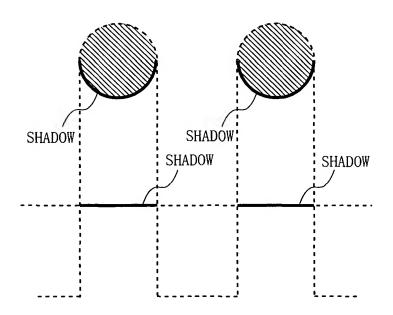


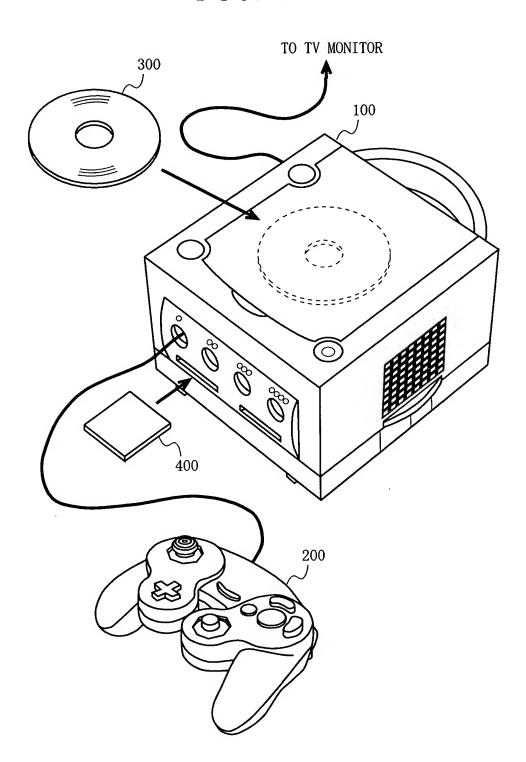
F I G. 2 A



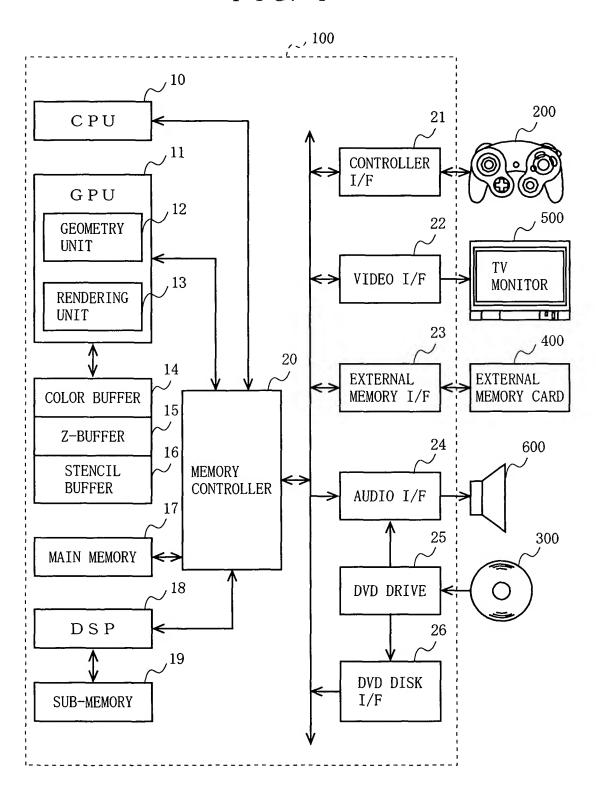
F I G. 2 B



F I G. 3



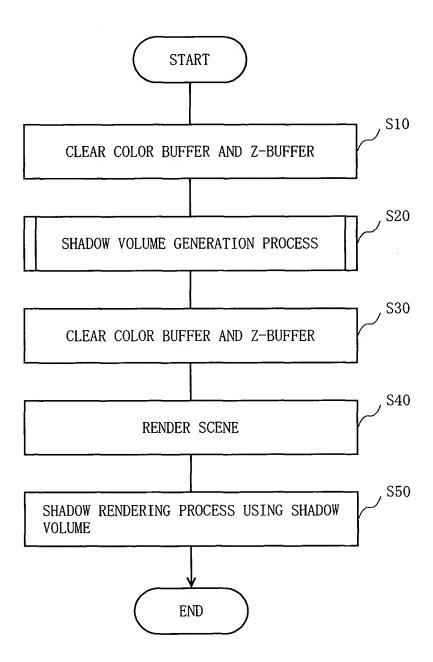
F I G. 4

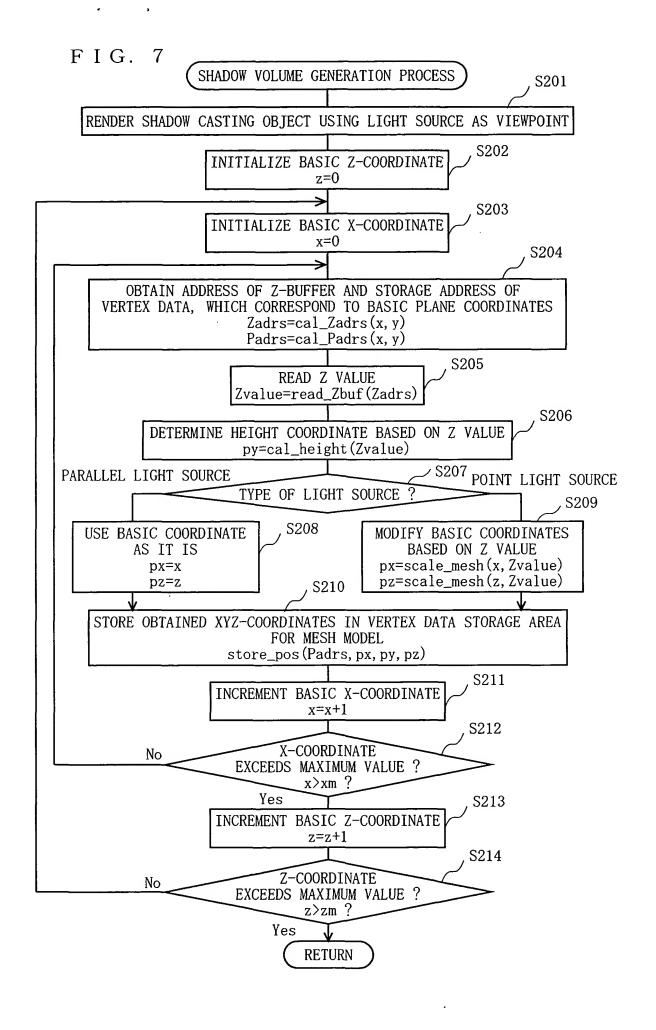


F I G. 5

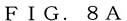
GAME PROGRAM
SHADOW VOLUME GENERATION PROGRAM
OBJECT DATA
· SHADOW CASTING OBJECT
· OTHER OBJECTS
OTHER DATA

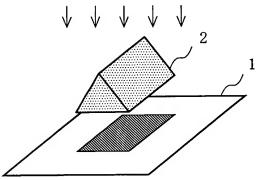
F I G. 6





LIGHT SOURCE (PARALLEL LIGHT SOURCE)





F I G. 8 B

PIXEL CORRESPONDING TO VERTEX P

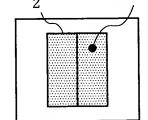


FIG. 8C

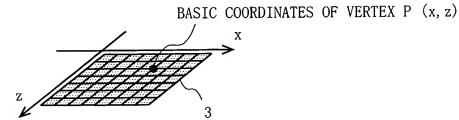
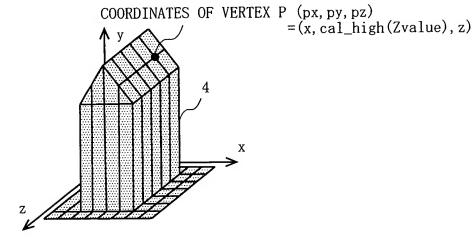
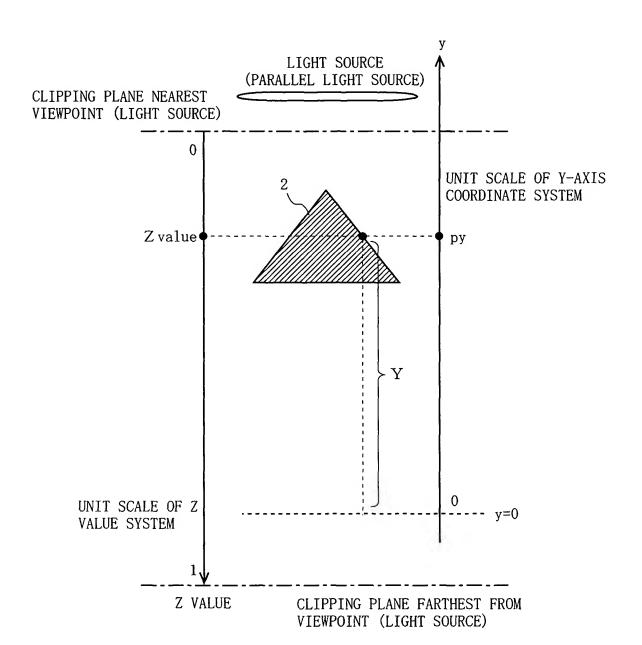
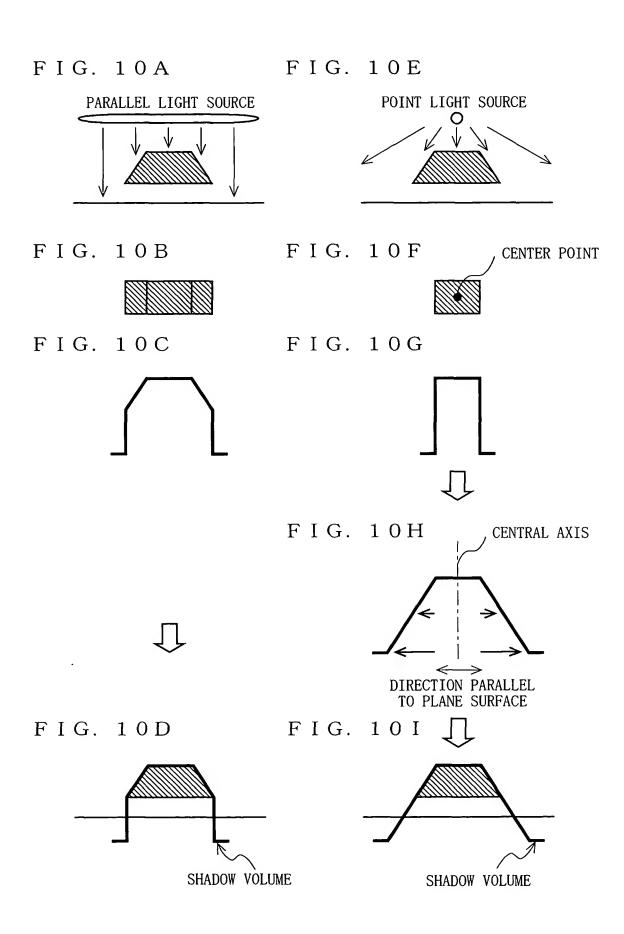
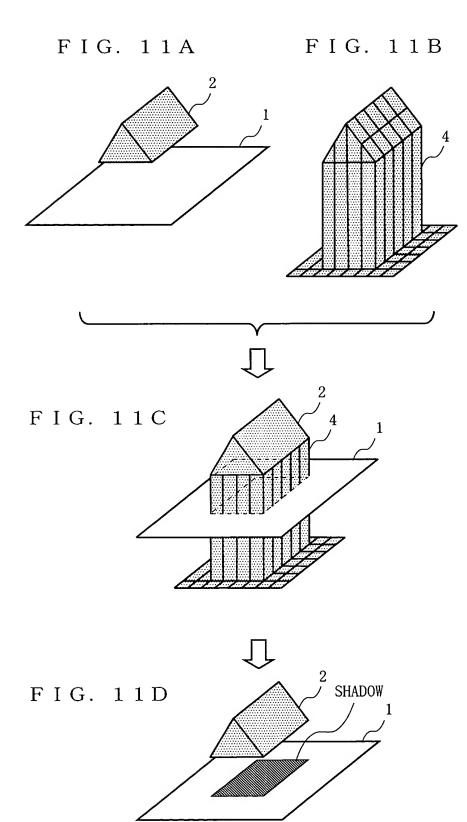


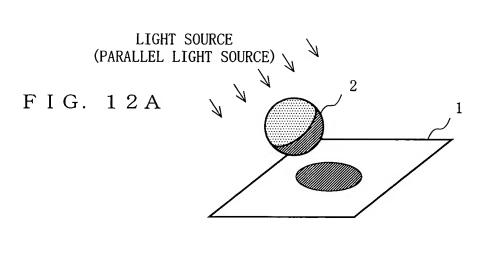
FIG. 8D

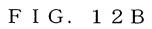


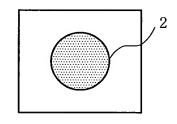


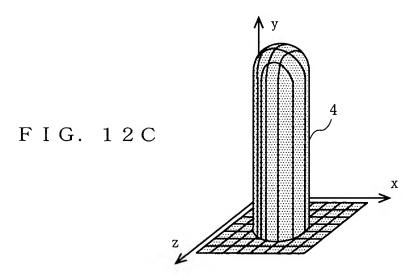


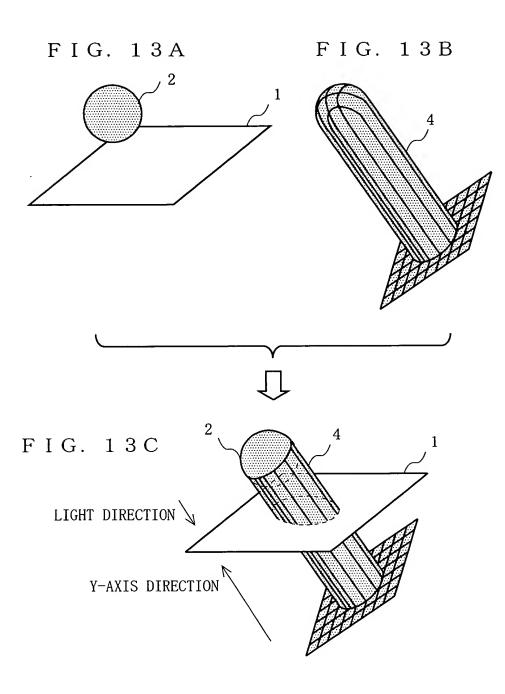


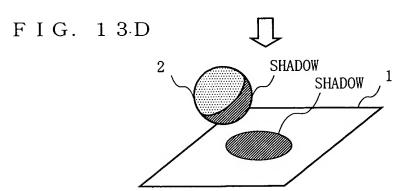




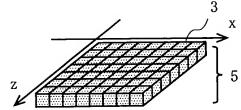




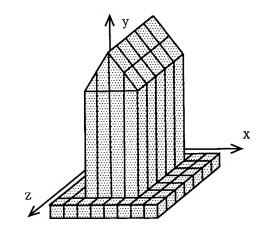


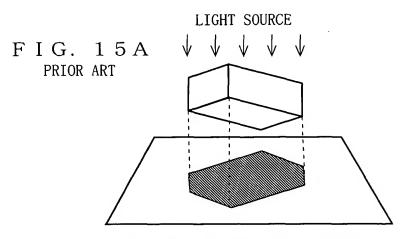


F I G. 14A

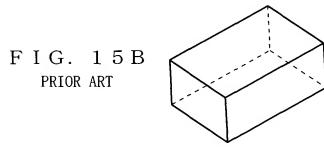


F I G. 14B

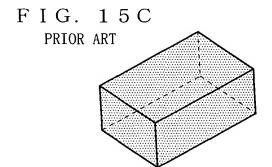




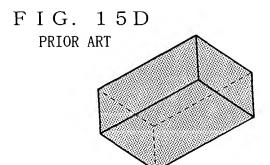
POSITIONAL RELATIONSHIP BETWEEN LIGHT SOURCE AND SHADOW OBJECT



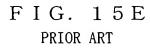
SHADOW OBJECT SEEN FROM LIGHT SOURCE

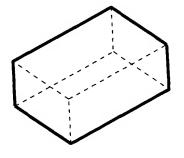


FRONT-FACING POLYGONS WITH RESPECT TO LIGHT SOURCE



BACK-FACING POLYGONS WITH RESPECT TO LIGHT SOURCE





EDGES SHARED BETWEEN FRONT-FACING POLYGONS AND BACK-FACING POLYGONS

FIG. 16A FIG. 16B PRIOR ART PRIOR ART LIGHT SOURCE FIG. 16C FIG. 16D PRIOR ART PRIOR ART LIGHT SOURCE FIG. 16E FIG. 16F PRIOR ART PRIOR ART LIGHT SOURCE